Posults file segl2vs41147 res made by shanley on Eri 5 $\,\mathrm{Tel}$ 102 16:16-23 $\,\mathrm{ppr}$

Ouery sequence being compared:US-09-829-631A-12 (1-1647) Number of sequences searched: 1 Number of scores above cutoff: 1

Fisults of the initial comparison of PS-99-929-63(A-12 (1-1647) with File : 141147.seq

PARAMETERS

	Randomization group	Cr : score	G ze penalty	Gar renalty	Mismatch penalty	Similarity matrix
	0	32	0.33	5.00		Unitary
CENTROL CHARLES CONTO				Window size	Joining penalty	K-tuple
				261	30	4

SEARCH STATISTICS

Numbe	Times:	Scores:
Number of residues: Number of sequences searched. Number of scores above cutoff:	CPU 00.00:00 00	Mean 1171
198 4 1 1		Median 0
	Total Elapsed 00:00:00:00	Standard Deviation 0.00

The scores below are sorted by initial score. Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

The list of best scores is:

650 660 700 670 680 700 670 680 690 700 600 700 600 600 600 700 600 600 700 600 700 600 700 600 700 600 700 7	580 590 610 610 610 610 610 610 610 610 610 61	510 520 530 540 550	450 460 4 "PTPCTANGETATE TEATOR COPT 	360 420 420 600 360 600 600 600 600 600 600 600 60	290 300 310 320 330 340 350 350 360	220 TOGGTEGACACAGGCTTERACTERATECATICACTERACTEGACGGGCCAACTECACTECATECATECATECATECATECATECATE	150	100 120 130	10 20 40 50 50 A Transparation and 30 40 50 50 A Transparation and 30 40 A Transparation and 30 50 A Transparation and 30 50 50 A Transparation and 30 A Transparation a	mized Score = 15 hes = 16 ervative Substituti	. US-09-829-631A-12 (1-1647) 141147 TOLD of 141147 which 8128 from: 1 to: 1984	. 141147 TOIG of: 141147 check: 8128 1984 1171 1586	Init. Opt. ence Name Description Length Score Score
710 GTGGCGTCGGGCCTC STGGCGTCGGGCCTC 040 1050	0 640 CACGAGCTGGGCCAC [11111111111 CACGAGCTGGGCCAC 970 980	560 570 BENETIA BETC HILLITITITI HILLITITITI GCCCTGGCCCTAGTC 900	490 500 CTCATCAGCCTGGAC	420 SEGREGACTETGC HITTHITHITH HIGGEGEGECTCTGC 9.355925GCTCTGC 9.760	350 TOTGACCTGATGGTC TOTGACCTGATGGTG 680 690	0 280 CYMCATMORCIGOTICATIC	210 NNGGGGGGCAGCGC CGGGGGCAGCGC	140 GTOOTCAFGGTCCCA 	60 70 FUCAGCUTGCGGTTC HIHHHHHH HH TUCAGCUTGCGCTTC TUCAGCUTGCGCTTC 0 400	ance	84	1586 0.00	Opt. Score Sig. Fram

1580 1590 1600 1610 1620 1630 164	1510 1520 1530 1540 1550 1560 1570 GAGTPCTTGGGCAGCTCTTGGCTAAGACCAGGAGGCTGCAAGTCTCCTAGAAGCCCTCTGACC	0 1460 1470 1480 1490 ACTGACCCAGGCTTGGGGCTGGCCAATGGGGACTTGAGCACATGAGCACTGGACTTGAGCACATGAGCACATGAGCACATGAGCACATGAGCACATGAGCACATGAGCACATGAGCACATGAGCACACACA	1370 1380 1390 1400 1410 1420 1430 ACCAGGGCTGCTGCATTCATTTTTTTCAACATTGGSACCCGGGAGGGCGAGCTGCGGGGCGCAACTTCATTTCTTCAACATTGGSACCCGGGGAGCTGCGAGCTGCGGCGCATCCATTCATTTCTTCAACATCGGAGCCCGAGCTGCGAGCTGCGGACCCCATCCGTGCAGCTCCGAGCTGCCGAGCTGCAGCTGCAGAGCTGCGAGCTGCGAGCTGCGAGCTGCGAGCTGCGAGCTGCGAGCTGCGAGCTGCAGCTGAGAGCTGCGAGCTGCAGAGCTGCGAGCTGCAGAGCTGCAGAGCTGCAGAGCTGCGAGCTGCAGAGCTGCAGAGCTGCAGAGCTGCAGAGCTGCAGAGCTGCAGAGCTGCAGAGCTGCGAGCTGCAGAGAGCTGCAGAGAGCTGCAGAGAGCTGCAGAGAGCTGCAGAGAGAG	1340 1350 1360	220 1230 1240 1250 1250 1250 1250 CTIAGCCTAVALAGATICAGATCAGACCTAVALAGATCAGATCAGACCTAVALAGATCAGATCAGACCTAVALAGATCAGACCAGACCAGAGACCAGAGACCAGAGACCAGAGACCAGAGACCAGAGACCAGAGCCAGAGACCAGAGCCAGAGCCAGAGACCAGAGCCAGACACACACACACACACACACACACACACACACACACACAC	1150 1160 1170 1180 1190 1190 1190 1190 1190 1190 119	1080 1090 1100 1110 1120 1130 1140 AACCCCATCATCTACCACTCTTCATGCTGCACTCTAAGCGGCGCTGGGCAGGTTCCTGCCATCT	1010 1020 1030 1040 1050 1060 1070 1060 1070 1060 1070	940 950 960 970 980 990 1000 TGACSCTGGGCATCCTSCTGSGCATCTTSCTTCTTCTTCTTSCTGCCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT	870 880 990 910 920 930 920 930 920 930 920 930 920 930 930 930 930 930 930 930 930 930 93	790 790 810 820 810 820 830 840 840 850 850 860 870 870 870 870 870 870 870 870 870 87	720 730 740 750 760 760 770 780 780 720 780 780 780 780 780 780 780 780 780 78
0 1	1560 1570 GAAGCCCTCTGACCTCCAGAGG - - - - - - - - - - - - - - - - - -	1490 SATTGAGCAGAACCCT 	1420 1430 2003A9790943790A07	1350 2A-recapitation non-recipiede 11111111111111111111111111111111111	0 1280 1290 36A**TCAGAGGCTCAGGC HTHTHTHTHTHTHTH 36ACTCAGACGAGGCTCAGGC 1610 1620	200 1210 PCACAGCGACCACCAGGC 11 1 1 1 1 1 1 1 1 1	1130 2AGGTTCCTGCCATGTCCACGC 2AGGTTCCTGCCATGTCCACGC 2AGGTTCCTGCCATGTCCACGC 2AGGTTCCTGCCATGTCCACGC 1470 1480	1050 1070 3531*FACTG FAACASCACCATC 11111111111111111111111111111111	990 1000 TTPTG950CAACAPAGTCAG 	930 AGGAAGGUTGAAGGUCAG HILLITTHILLITHITH CAGGAAGGUCTGAAGGUCAGU 1250	10 850 SUTSTAJSTBJOUGHSJAJSTCCA SUTSTAJSTBJOUGHSJAJSTCCA SUTSCAGSTBGCCAGGACCCCA 1180 1190	770 780 3-TAGPHATCCAGAACAGACC

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Similarity matrix Mismatch penalty Gar benalty G ze penalty SCORE O Cu .f score Randemization group 0 H O Z H C O H 0 7 C ಸಶಘ್ವ∠ಸ Number of Number of Query sequence being compared US-09-829-611A-7 (1-1914)
Number of sequences searched:
1
Number of scores above cutoff: Of 10 IntelliGenetics Times: Results file seq7vs41145.res made by shanley on Fri 5 Jul 102 16:17:47-PDT FastDB - Fast Pairwise Comparison of Sequences > 0 < Number of residues: Scores: v 0 ^ 10ze penalty Results of the initial comparison of US-09-829-631A 7 (1 1914) with. File : 141146.seqscores above cutoff: sequences searched: 120 24 Q 00.00:00.00 Unitary 360 1080 5.00 0.33 SEARCH STATISTICS PARAMETERS 480 K-tuple Window size Joining penalty 1317 Total Elapsed C0:00:00:00.00 Standard Deviation 0.00 4 30 261

The scores be Significance scores below are sorted by initial score is calculated based on initial score.

100% identical sequence to the query sequence was not found

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The list of best scores is

Caps Pesidue Identity -Caps 1. US-09-829-631A-7 (1-1914) 141146 TOIG of: 141146 check: 4551 from: 1 to: 1317 Sequence Name Initial Score 1. 141146 TTGATGGTGGGGTTGGTGGTGATGCCCCCAGCCATGCTGAACGCGCTGTATGGGCGCTGTGGGTGTTAGCTCGA 150 660 9.0 570 160 Description 600 TOIG of: 141146 check: 4551 90 530 1080 Optimized Score = 866 3 Conservative Substitutions Matches 170 7 X 610 100 540 180 5 110 620 550 700 190 1312 Mismatches 1297 630 120 Length Score Score 1317 1080 1297 Significance = Init. Opt 710 200 640 130 0_00 0 Sig. Frame 0.00

| 1240 | 1240 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | .60 1170 1180 1190 1200 1200 1210 1220 1230 AGGACACCAUGCCCAUGGAUGAUT CUTTURACAUTAIRCET PERCUTACUAARCATAGAAGGAGGAAGGCCTTG

| 1690 | 1600 | 1610 | 1620 | 1630 | 1640 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 | 1650 |

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